



Hunters Point Radiological Program Update

Hunters Point Naval Shipyard
BCT Meeting
March 24, 2011



Overview



Radiological Project Work Overview

- Current Project Map
- SS/SD & Building Survey Update
 - Crisp Rd.
 - Parcel C
 - Parcel D-1
 - Parcel E 500-Series
 - Parcel B & G Reports



2011 Radiological Projects



LEGEND

NAVY PROPERTY BOUNDARY (OFFSHORE)

PROJECT AREAS

- IMPACTED BUILDINGS OR SITES CONTROLLED BY TTEC
- IMPACTED SITES THAT HAVE OBTAINED REGULATORY RELEASE
- ERRC IR-07/18 CAP
- EMS BIN STORAGE
- MACTEC (ERS/JV) PIER REMOVAL
- SHAW D1
- SHAW PCB
- TTEC CRISP ROAD
- TTEC RSY'S
- TTEC PARCEL C
- TTEC PARCEL E 500 SERIES
- RSY PADS





Crisp Rd/Parcel E SS/SD & Building Update



- Bldg 707 Triangle – 4 survey units ongoing. Followed by SS/SD line removal.
- IR-04 Scrap Yard – 1 survey unit ongoing. Followed by SS/SD line removal.
- Bldg 406 – Radiological Free Release received on March 8th.
- Bldg 810 – Final FSS issued, awaiting CDPH Confirmation Survey
- Bldg 414 – Draft FSS comments received March 15th.
- Site 701 – Draft FSS under RASO review
- Site 704 – Draft FSS under RASO review



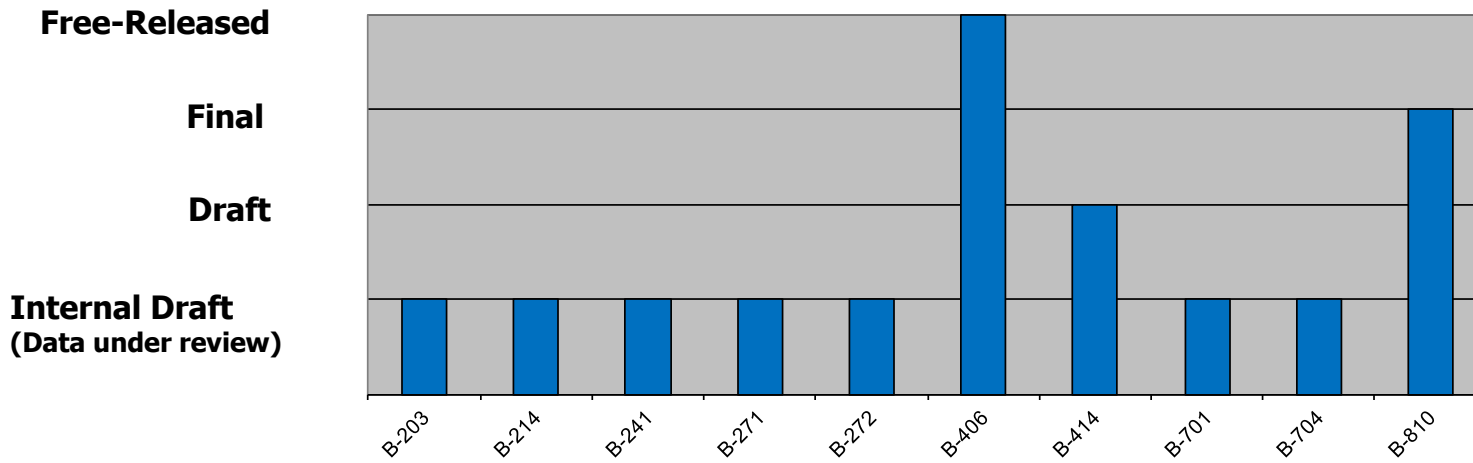
Parcel C SS/SD Removal and Building Surveys



- Excavated soil and pipe removal through March 15, 2011
 - 7,150 linear feet
 - 13,0535 cubic yards
- Building Final Status Surveys
 - Building 203: Boiler Fire Brick removal complete
 - Buildings 241: Field work ongoing
 - Building 214: Survey completed on March 9th
 - Building 271: Survey completed on February 22nd
 - Building 272: Survey completed on February 7th
 - North Pier: On-hold, Pier removal contractor using area



Parcel C & Interior E Buildings Status



Waiting for concurrence for
Free-Release determination





Parcel D-1 Current Field Work Status



- SD/SS removal through March 16th
 - 8,057 lineal feet





Asphalt Removal Gun Mole Pier





Storm Drain Removal Gun Mole Pier





Current Field Work Status



- Gun Mole Pier
 - Completed gamma walk over survey and Field Instrument for the Detection of Low Energy Radiation (FIDLER) Survey
 - 63 Survey Units evaluated. Twenty SUs showed detections above the investigation level and were further investigated. Investigation sample results received to date for 13 of 20 SUs showed no ROC's above release levels.
 - Completed removal and stockpiling of asphalt, rails and ties
 - Survey unit analytical data for SUs 1-8 had no results above release criteria.
- South Pier
 - Completed survey and sampling for all 13 Survey Units
 - Three Survey Units (SU 9, 11, and 12) had detections above the current action level of 0.113 pCi/g for Cs -137
 - One Survey Unit (SU 10) had a single detection of Ra-226 above the release criteria



Current Field Work Status



- South Pier (con't)
 - Impacted soil with Cesium detections excavated and transported to RSY 2. Additional survey and sampling completed. Awaiting results.
 - Impacted soil with Radium detection excavated and disposed of as LLRW. Additional survey and sampling completed. Awaiting results.
- Building 274
 - No detections above investigation Levels
 - Developing internal draft FSS Report
- Building 383 Area
 - Completed building slab foundation and asphalt removal
 - Gamma scans and soil sample analytical showed no results above release limits for ROC's
 - Developing internal draft FSS Report



Current Field Work Status



- Building 313,313A & 322 sites - Surveyed and Sampled
 - Elevated levels of Cesium 137 and Radium 226 above action limits
 - Revised TSP for additional survey, sampling & remediation
 - Completed additional survey and sampling
 - Data received indicated two additional detections of Cesium above the release levels



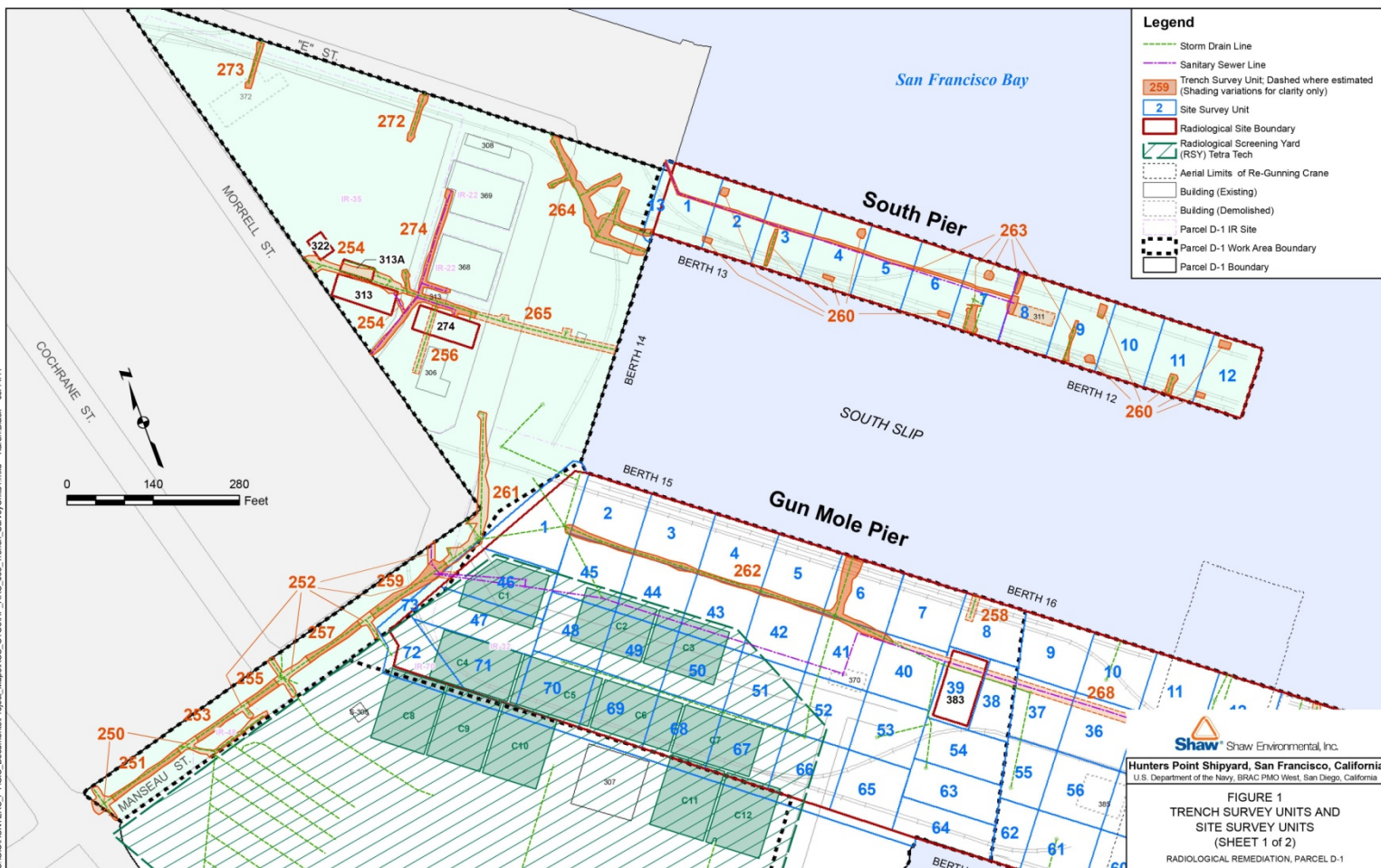
Upcoming Field Work in D-1



- Continue to remove remaining SS/SD lines
- Building 313, 313A & 322 sites –Perform additional survey, sampling, remediation and define new FSS boundaries
- Continue RAD gamma surveys and sampling for the Gun Mole Pier and evaluate data
- Evaluate additional analytical results from South Pier for SUs 9, 10, 11, & 12
- Continue Develop and submit Survey Unit Project Reports (SUPRs)
- Begin backfilling trenches with RASO approval of SUPRs



Parcel D-1 Storm Drain & Sewer Removals Work Areas 24 and 30

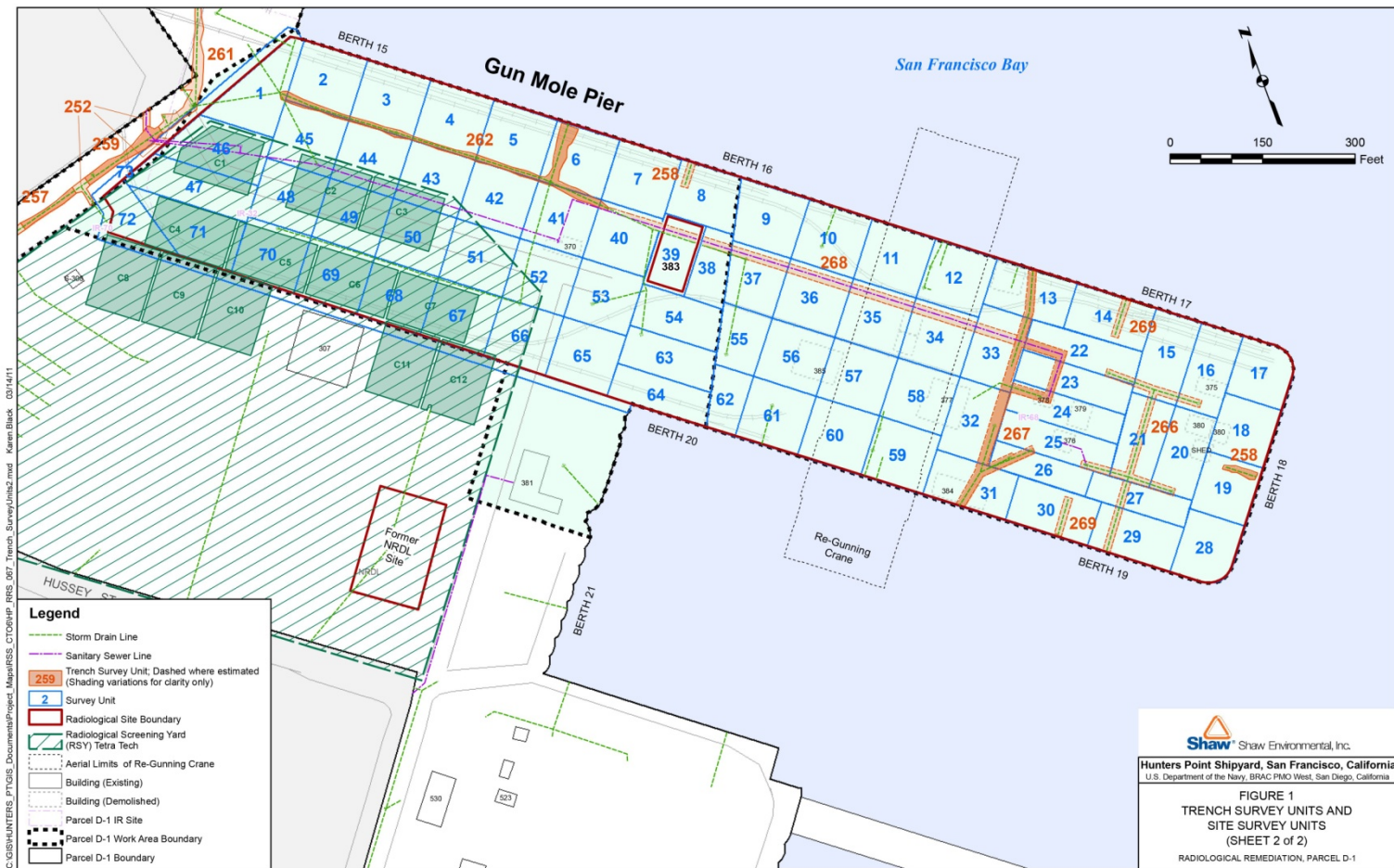




Parcel D-1

Storm Drain & Sewer Removals

Work Areas 28 and 29 (Gun Mole Pier)





Parcel E 500 Series



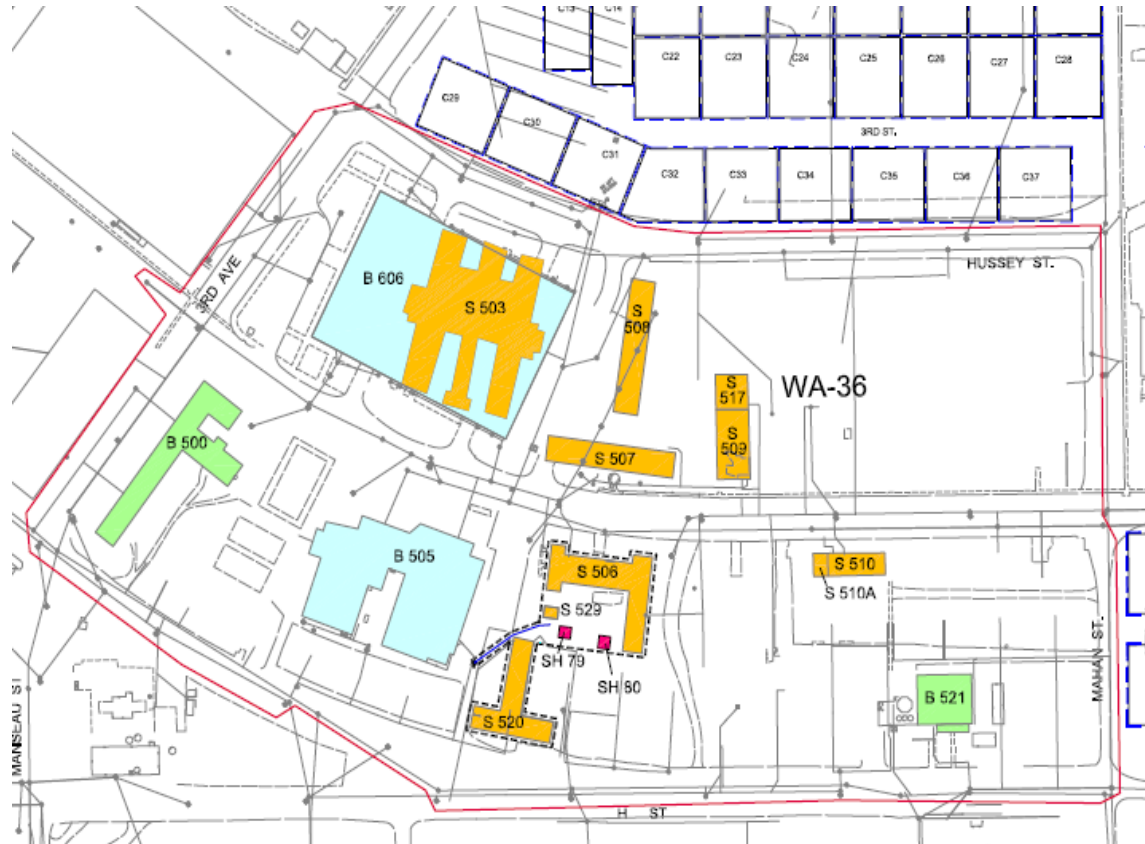
- Execution Plan and Design Plan previously issued as Final
- Developing TSPs for buildings and building sites
 - Building sites 509 & 517 in Navy review
- Field Work to date
 - Set up perimeter fencing and establish RCA
 - Clearing, grubbing and site preparation
 - No excavation or surveys completed



Impacted Building and Sites Within Parcel E 500 Series Area



- LEGEND**
- WORK AREA BOUNDARY (WA-36)
 - RADIOACTIVE MATERIAL AREA
 - STORM DRAIN LINE
 - NON-IMPACTED BUILDINGS
 - IMPACTED BUILDINGS
 - IMPACTED BUILDING SITES
 - IMPACTED SHACK SITES
 - RSY 2, 3 AND 4 SCREENING PADS





Parcel B & G Building Survey Status



- Building 157 – Free Release Memo received on March 8, 2010
- Building 364/365/317 – Free Release Memo received on March 8, 2010
- Building 140 Discharge Channel – Awaiting CDPH Confirmation Survey, delayed this week due to weather
- B-140 Tech Memo - Awaiting RASO review



Comments, Questions, Concerns ???